

Claims

1. Shoe or leather care product comprising an aqueous phase, an oil phase, and an emulsifier system, which product has a VOC below 22 wt.%, based on
5 the weight of the product.
2. Shoe or leather care product according to claim 1, wherein the VOC is below 15 wt.%, preferably below 5 wt.%, and more preferably below 1 wt.%.
3. Shoe or leather care product according to claim 1 or 2, having a penetration value below 60 units of 0.1 mm.
- 10 4. Shoe or leather care product according to claim 3, having a penetration value between 5 and 40 units of 0.1 mm.
5. Shoe or leather care product according to any of the preceding claims, wherein the aqueous phase constitutes 50-90 wt.% of the product.
6. Shoe or leather care product according to any of the preceding claims,
15 wherein the oil phase constitutes 1-50 wt.% of the product.
7. Shoe care product according to claim 6, wherein the oil phase constitutes 1-35 wt.% of the product.
8. Shoe care product according to any of the preceding claims, wherein the oil phase comprises 1-45 wt.% of a wax based on the weight of the product.
- 20 9. Shoe care product according to claim 8, wherein the wax constitutes 1-25 wt% based on the weight of the product.
10. Shoe care product according to claim 8 or 9, wherein the wax is chosen from the group of mineral waxes, paraffins, microcrystalline waxes, plant derived waxes, animal waxes, Fisher Tropsch waxes, polyolefin waxes,
25 synthetic waxes and combinations thereof.
11. Shoe care product according to claim 10, wherein the total wax has a congealing point between 30° and 100° C, more preferably between 40° and 90°C and most preferably between 45° and 80°C.

12. Shoe or leather care product according to any of the preceding claims, wherein the emulsifier system constitutes 0.2-20 wt.% of the product.
13. Shoe or leather care product according to any of the preceding claims, wherein the emulsifier system comprises a surfactant and a co-emulsifier.
- 5 14. Shoe or leather care product according to claim 13, wherein the surfactant is chosen from the group of non-ionic, amphoteric, cationic and anionic surfactants.
15. Shoe or leather care product according to claim 14, wherein the surfactant is a neutralized fatty acid.
- 10 16. Shoe or leather care product according to any of the claims 13-15, wherein the co-emulsifier is a mixture of carboxylic acids and/or fatty acids in combination with multivalent neutralising agents and/or multivalent metal cations and/or multivalent metal soaps and/or di-, tri- or multi- amine soaps and/or a mixture of any fatty acid derivatives including fatty acid esters
- 15 and/or fatty alcohols and /or fatty acid amides and/or fatty acid amines and/or fatty acid amine oxides and/or any derivatives thereof.
17. Shoe or leather care product according to claim 16 comprising a multivalent amine.
18. Shoe or leather care product according to claim 16 comprising a
- 20 multivalent cation.
19. Shoe or leather care product according to claim 16, wherein each constituent material has a HLB value below 13, preferably below 10, more preferably below 8.
20. Shoe or leather care product according to any of the claims 13-16,
- 25 wherein the co-emulsifier is a multivalent cation.
21. Shoe or leather care product according to claim 20, wherein the multivalent cation is a calcium, magnesium or zinc cation.
22. Shoe or leather care product according to any of the claims 13-16,
- wherein the co-emulsifier is a multivalent amine.

23. Shoe or leather care product according to any of the claims 16-22, wherein the multivalent amine or multivalent cation is wholly or partially replaced by a fatty alcohol or derivative thereof, or a fatty acid ester or derivative thereof, or a fatty amide or derivative thereof or a fatty amine or derivative thereof or a fatty amine oxide or derivative thereof.
- 5 24. Shoe or leather care product according to claim 23, wherein the derivative of a fatty alcohol is an alkoxylated fatty alcohol.
25. Shoe care product according to any of the claims 13-24, wherein the co-emulsifier constitutes 0.2-16 wt.%, preferably 0.5-13 wt.% and more preferably 10 1-10 wt.% of the product.
26. Shoe or leather care product according to any of the preceding claims in the form of a water continuous emulsion or an oil continuous emulsion.
27. Shoe or leather care product according to any of the preceding claims, having a total summation of the saponification value, the hydroxyl value, and 15 the nitrogen value as defined of all the raw material components in the product with more than 14 carbon atoms per molecule in the shoe care product should be between 0.5-40 mg KOH per gram.
28. Shoe or leather care product according to any of the preceding claims wherein the product is a shoe polish, a shoe cream, a self polishing 20 composition, an impregnated towel or sponge or an aerosol.
29. Shoe or leather care product according to claim 28 wherein the product is for the care of nubuck- or suede.
30. Shoe or leather care product according to any of the preceding claims, packed in a metal container which is free of chloride ions.
- 25 31. Shoe or leather care product according to any of the preceding claims wherein the aqueous phase comprises up to 20% optional ingredients.
32. Shoe or leather care products according to claim 31 wherein the optional ingredients are chosen from the group of silicones, colouring agents, humectants, anti-corrosives, preserving agents, defoamers, salts and 30 combinations thereof.

33. Shoe or leather care products according to claim 32 comprising 0.05-2 wt.% based on the product of one or more salts.
34. Shoe or leather care products according to claim 33 comprising 0.15-0.6 wt.% based on the product of one or more salts.
- 5 35. Shoe or leather care product according to any of the preceding claims comprising 0.1-10% silicone, preferably 0.3-5% silicone and more preferably 0.3-3.5% silicone.
36. Shoe or leather care product according to claim 35, comprising one or more silicones with a HLB value below 8.
- 10 37. Shoe or leather care product according to any of the preceding claims in the form of a water continuous phase emulsion, wherein the total summation of the saponification value, the hydroxyl value, and the nitrogen value as defined of all the raw material components in the product with more than 14 carbon atoms per molecule is between 0.5 and 40 mg KOH per gram of the resulting shoe care product, preferably between 1 and 35 mg KOH per gram of the resulting shoe care product, and more preferably between 1.5 and 30 mg KOH.
- 15 38. Shoe or leather care product according to any of the claims 1-36 in the form of an oil continuous emulsion, wherein the total summation of the saponification value, the hydroxyl value, and the nitrogen value as defined of all the raw material components in the product with more than 14 carbon atoms per molecule is between 0.5 and 20 mg KOH per gram of the resulting shoe care product, preferably between 1 and 15 mg KOH per gram of the resulting shoe care product, and more preferably between 1.5 and 10 mg KOH.
- 20 39. Use of a shoe or leather care product according to any of the preceding claims for cleaning or treating shoes.
- 25 40. Method for cleaning or treating shoes wherein an amount of a shoe care product is applied to the outer surface of a shoe.